



FIG. 1

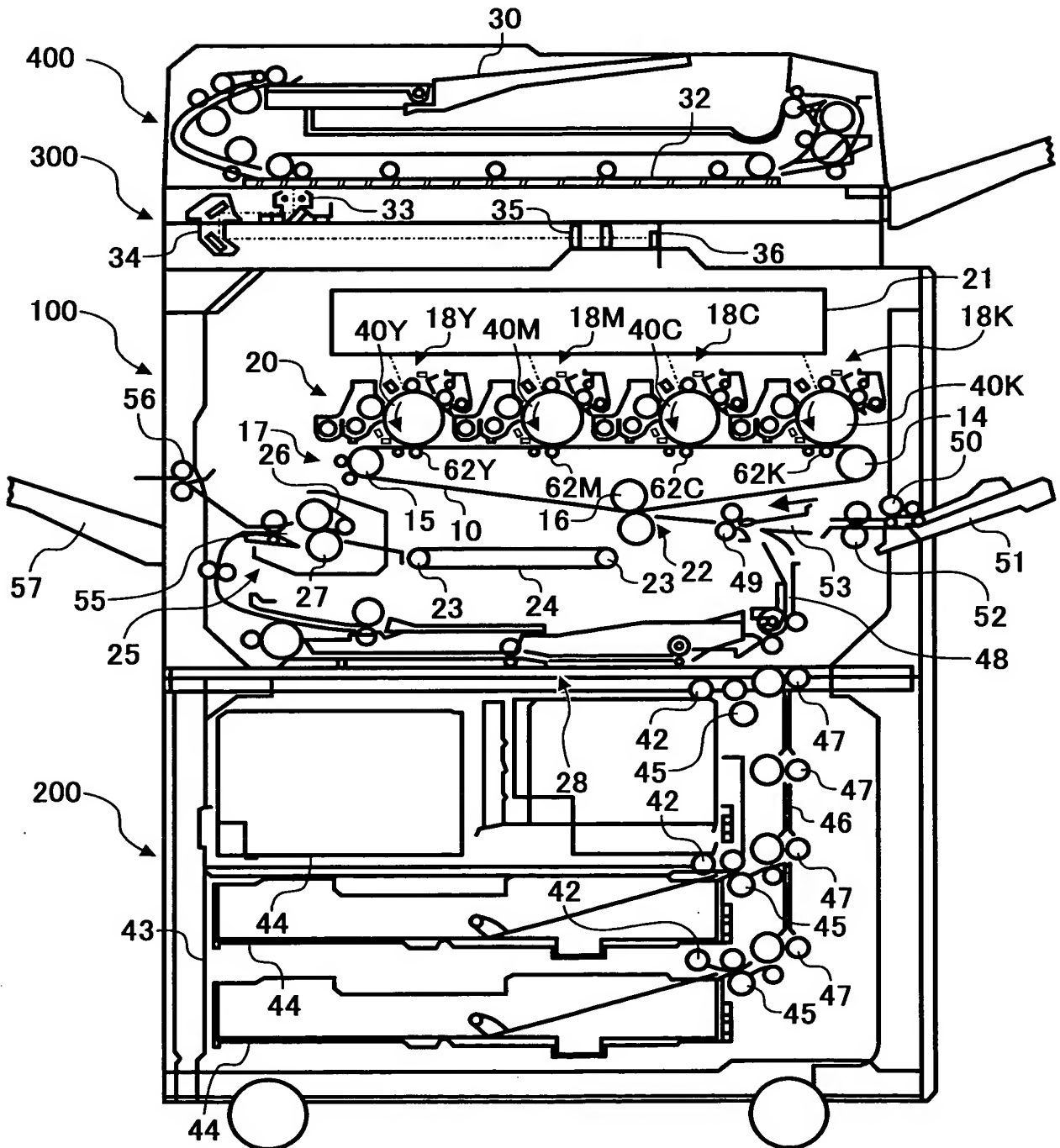
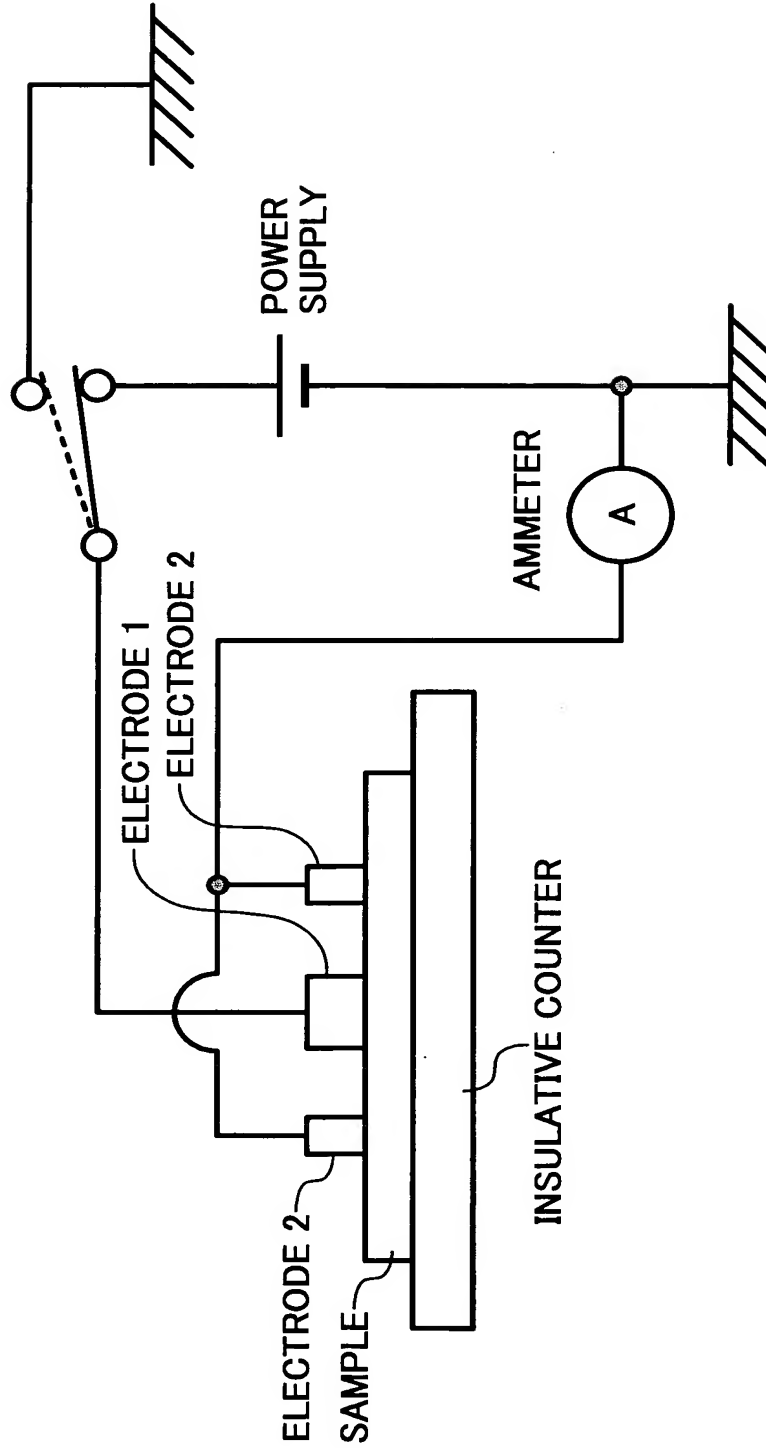


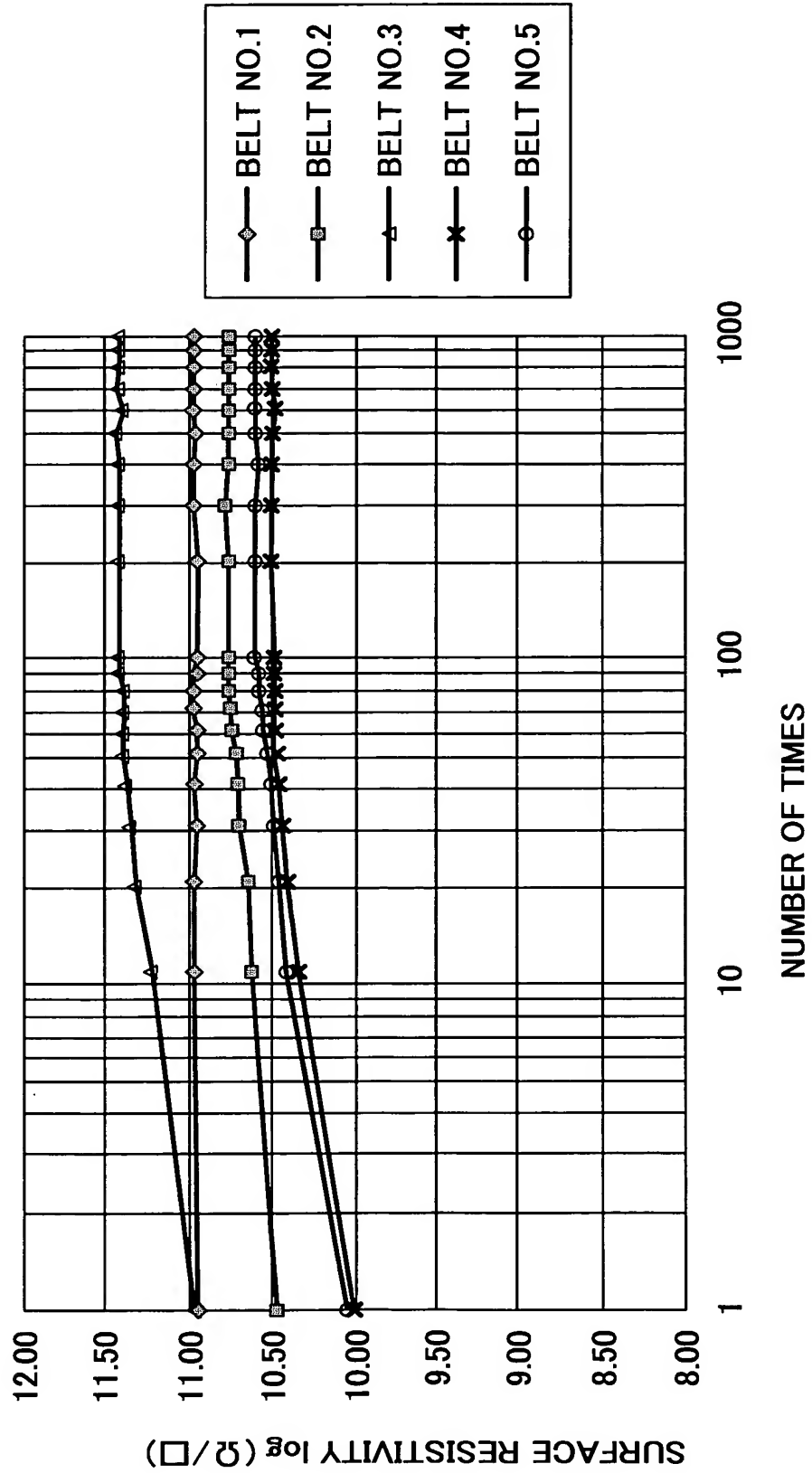
FIG. 2



**FIG. 3**

BELT NO.	SURFACE RESISTIVITY VARIATION IN ABSOLUTE VALUE $\log (\Omega / \square)$	TRANSFERABILITY RANK
1	0.01	5
2	0.28	5
3	0.45	4.5
4	0.50	4
5	0.55	3.5

FIG. 4



**FIG. 5**

BELT NO.	SURFACE RESISTIVITY VARIATION IN ABSOLUTE VALUE $\log (\Omega / \square)$	TRANSFERABILITY RANK
6	0.1	5
7	0.25	5
8	0.44	4.5
9	0.49	4
10	0.56	3.5

FIG. 6

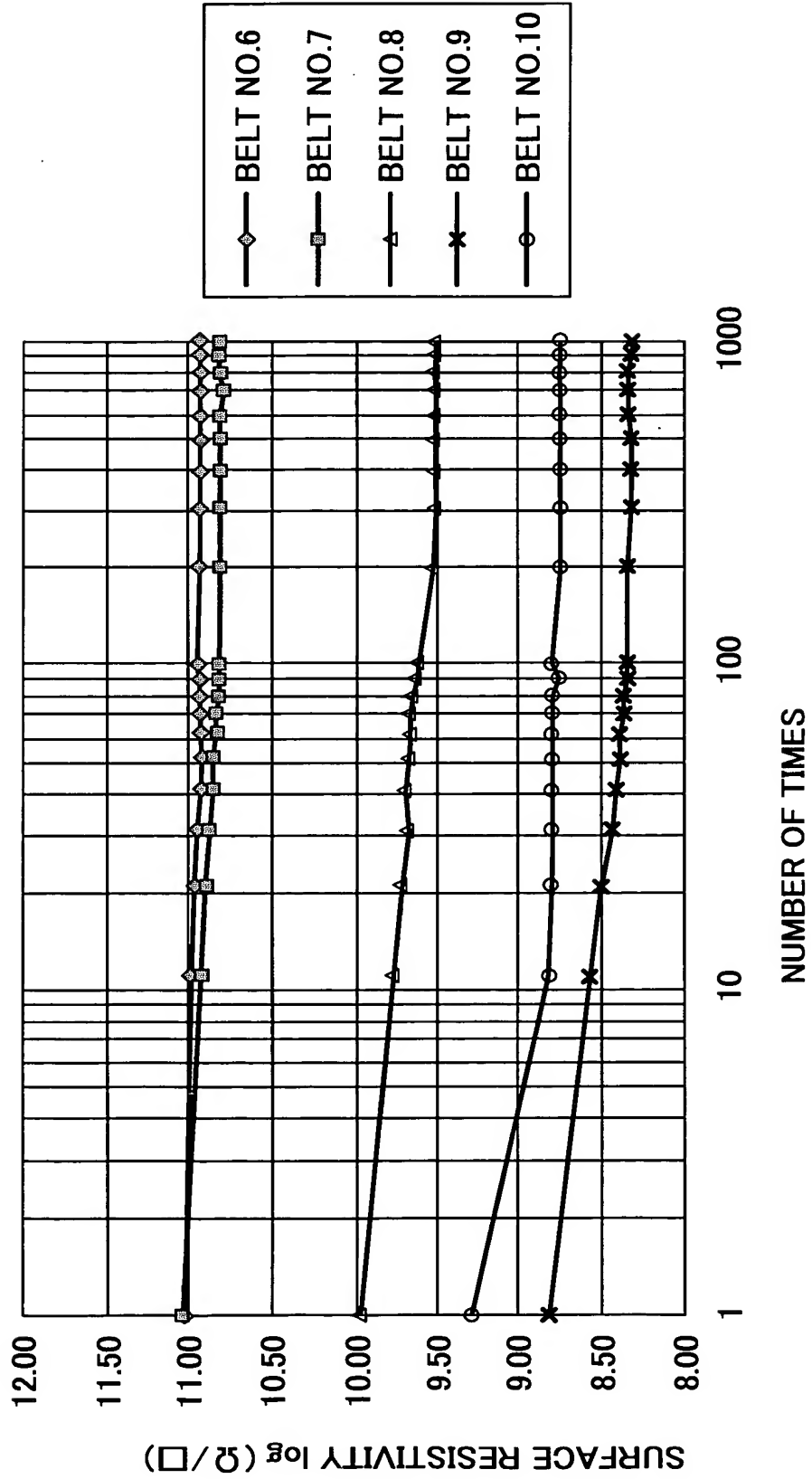


FIG. 7

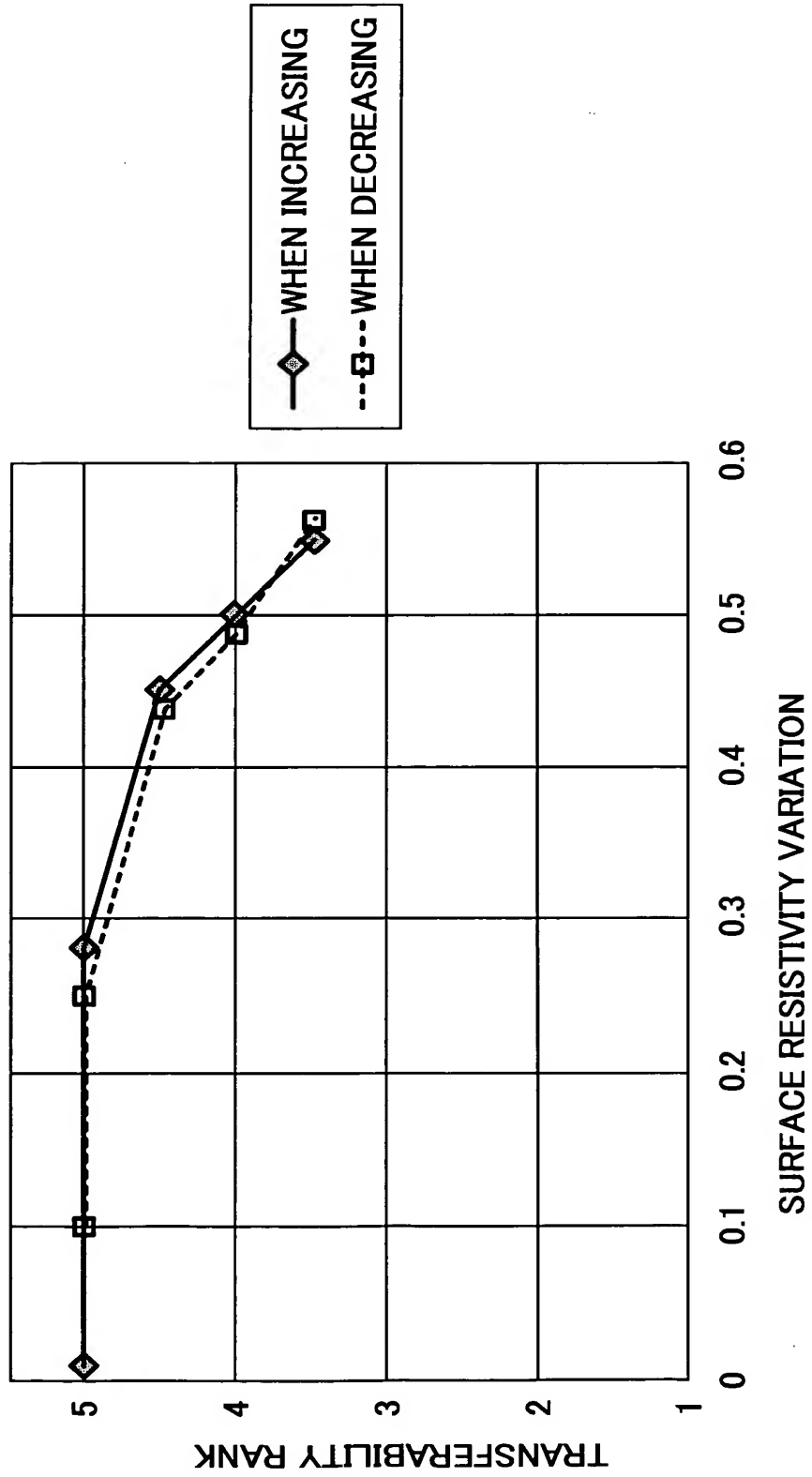
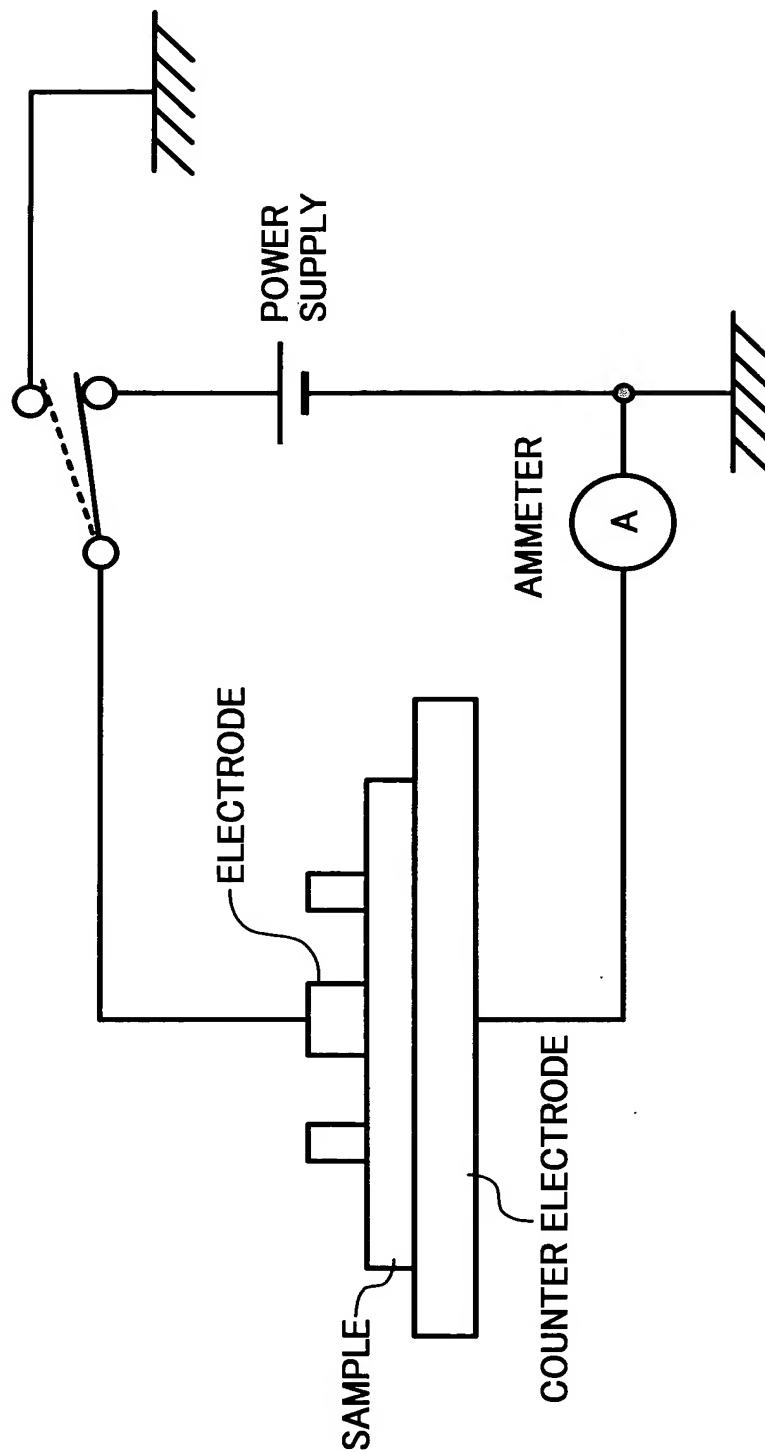


FIG. 8





**FIG. 9**

BELT NO.	VOLUMETRIC RESISTIVITY VARIATION IN ABSOLUTE VALUE $\log (\Omega / \square)$	TRANSFERABILITY RANK
11	0.74	5
12	1.18	5
13	1.79	4.5
14	2.11	4
15	2.80	3.5

FIG. 10

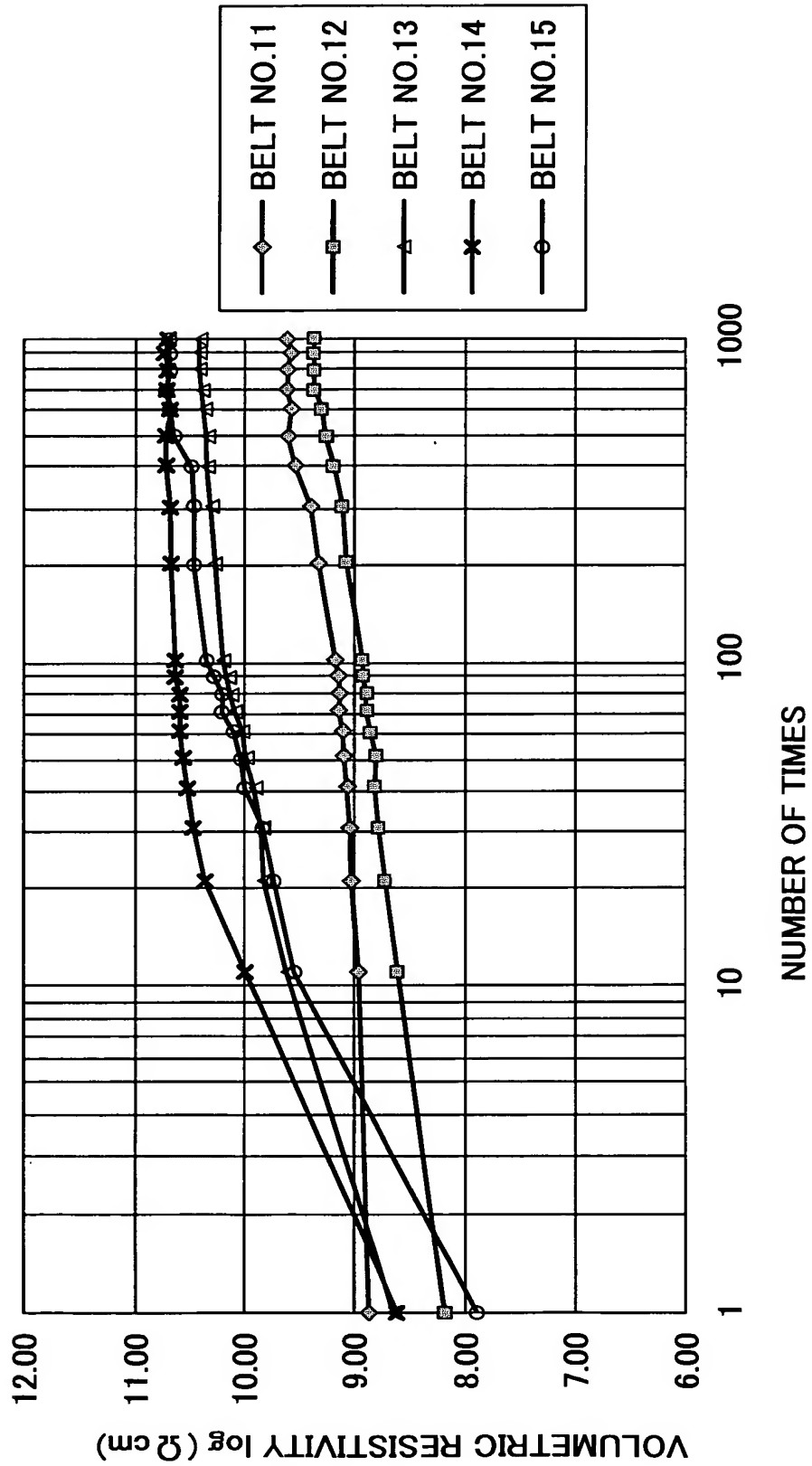


FIG. 11

BELT NO.	VOLUMETRIC RESISTIVITY VARIATION IN ABSOLUTE VALUE $\log (\Omega / \square)$	TRANSFERABILITY RANK
16	0.11	5
17	1.09	5
18	2.08	4
19	2.53	3.5

FIG. 12

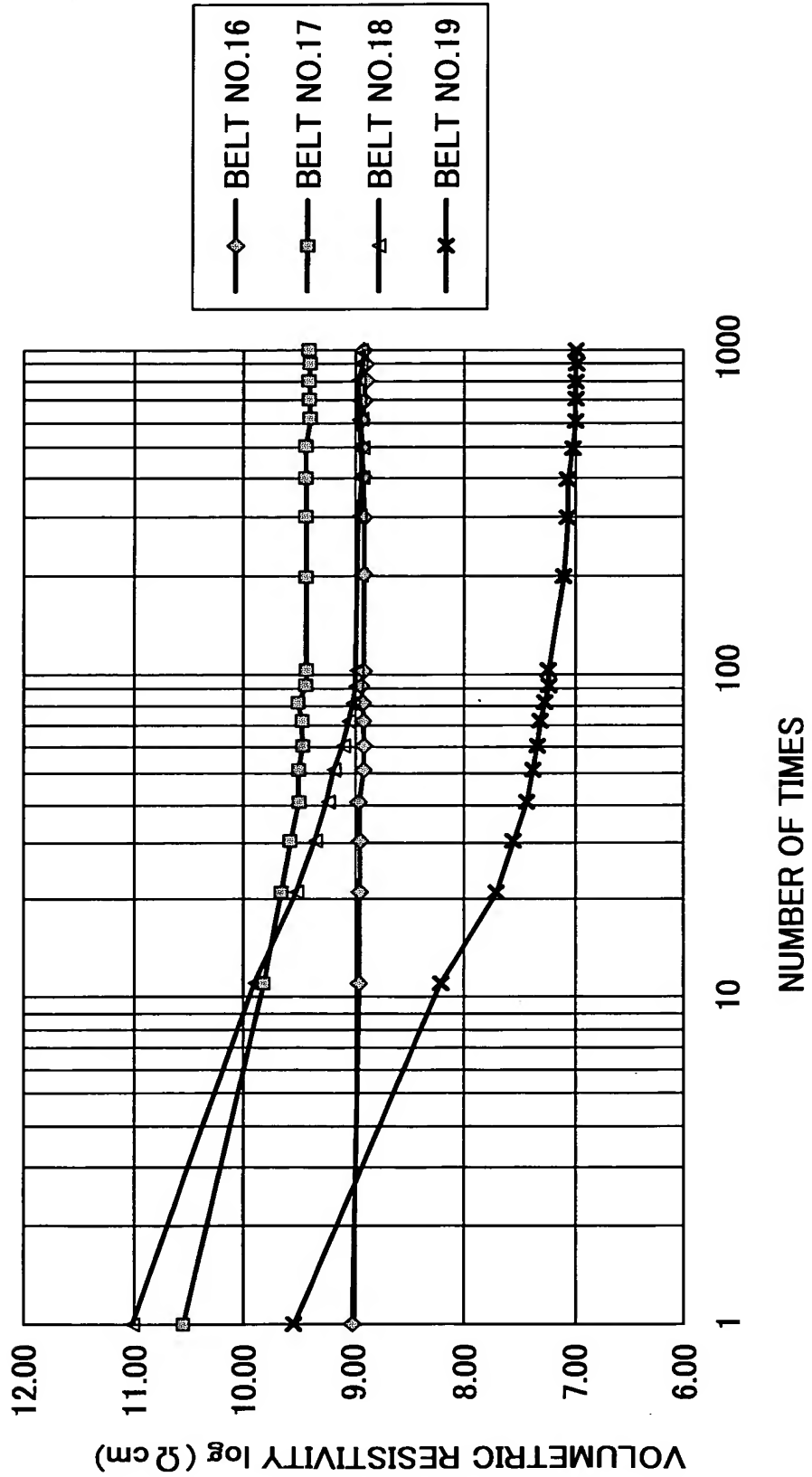


FIG. 13

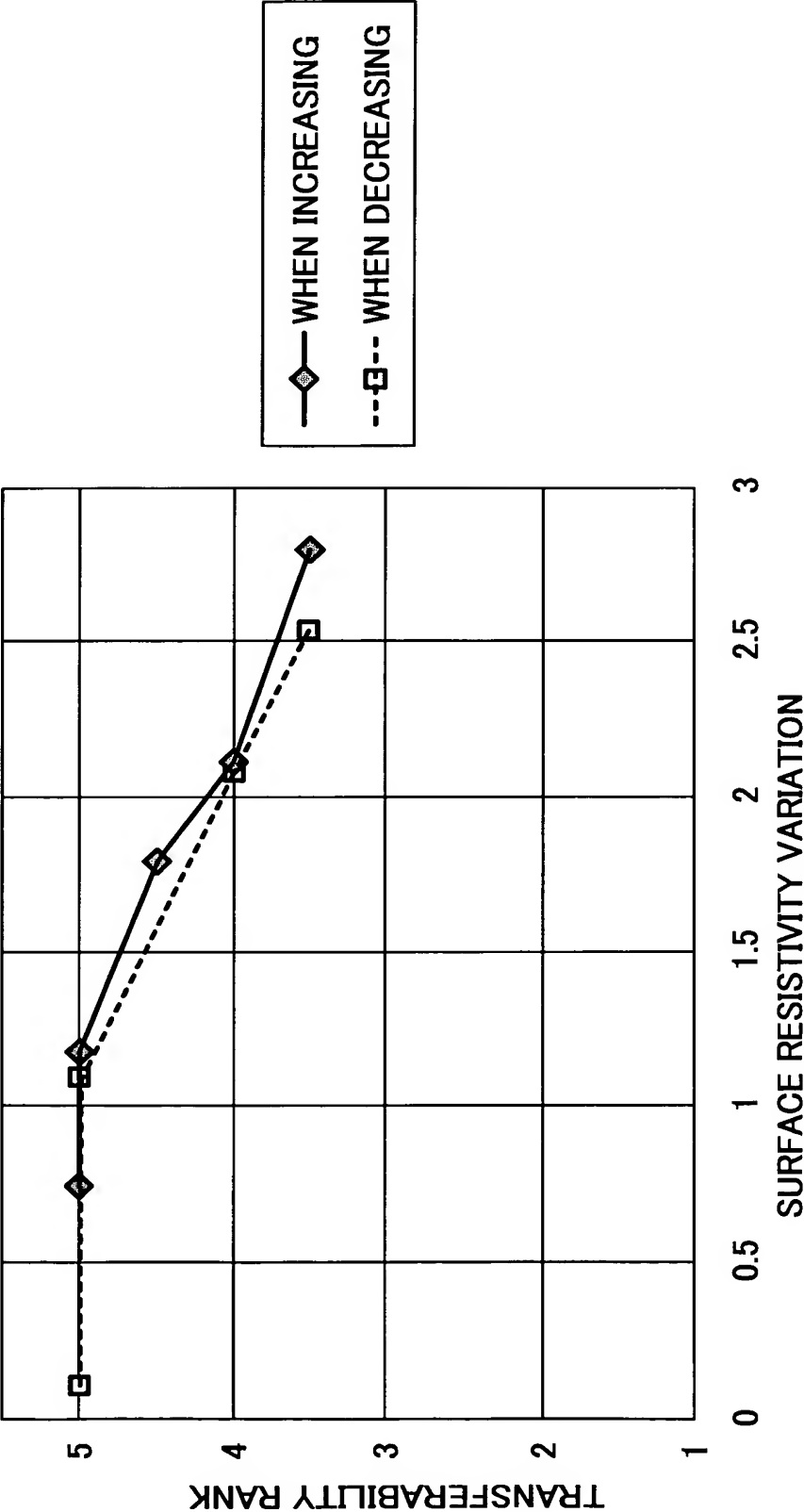


FIG. 14

BELT NO.	BIAS CONTROL	IMAGE AREA RATIO	IMAGE DENSITY
20	CONSTANT VOLTAGE	5%	○
		95%	○
	CONSTANT CURRENT	5%	×
		95%	○

FIG. 15

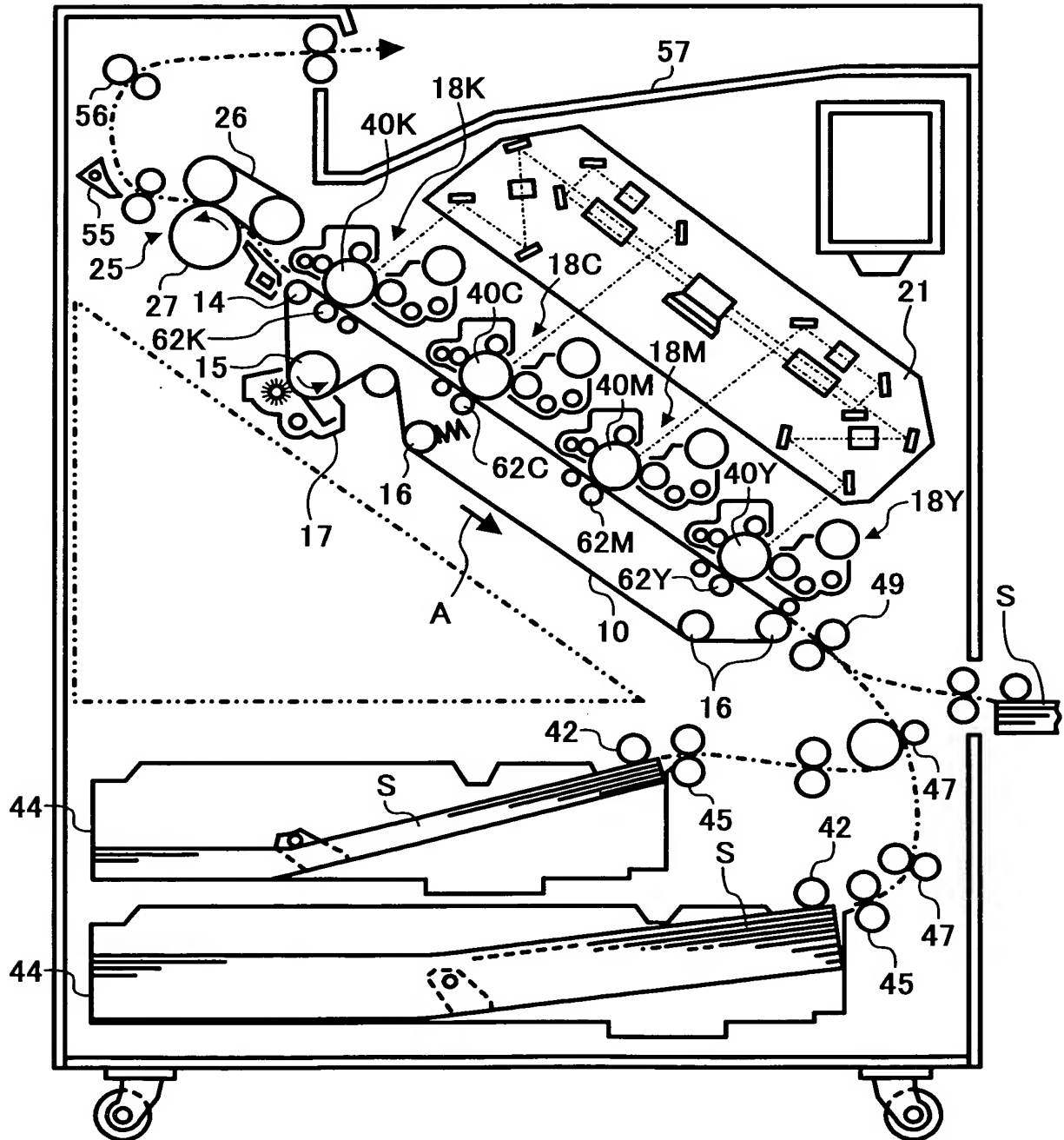


FIG. 16

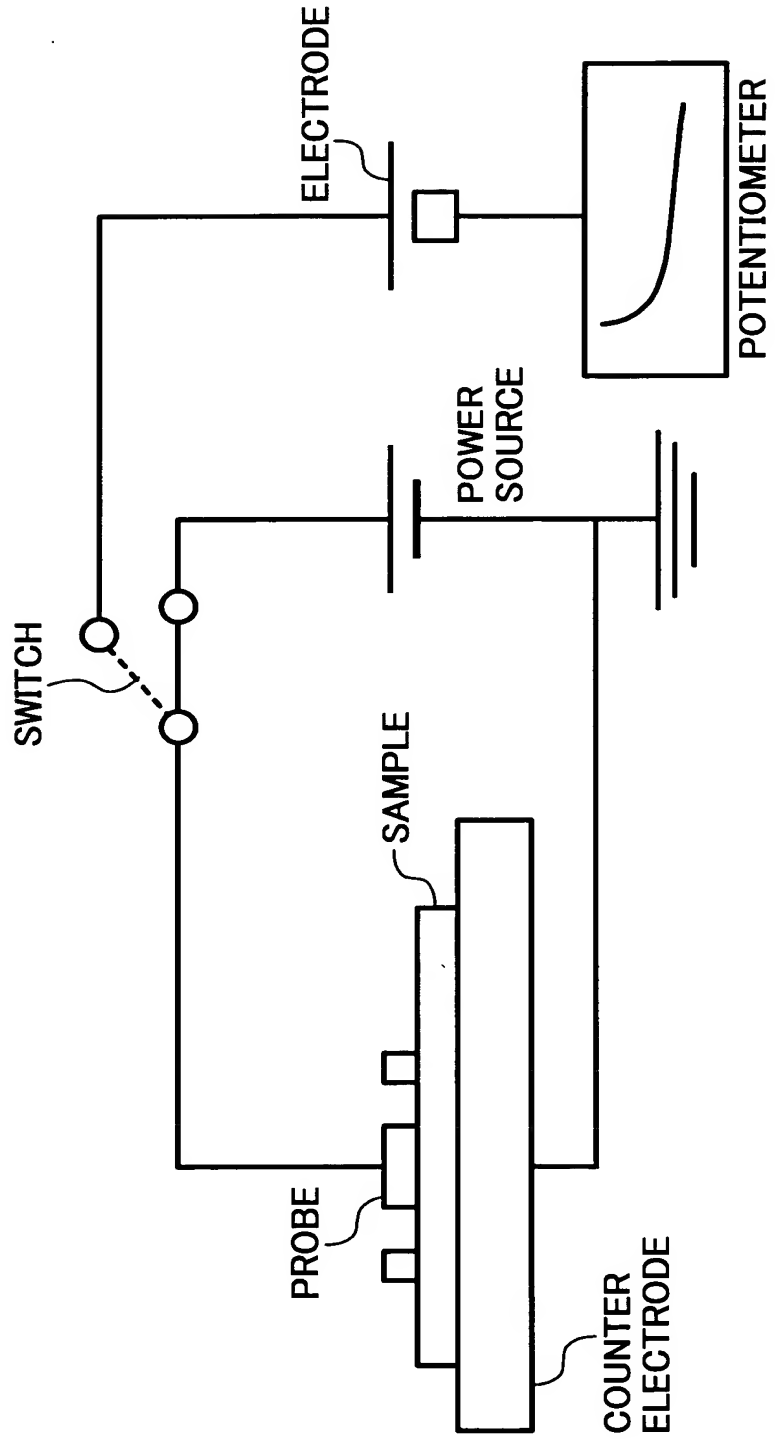




FIG. 17

BELT NO.	5-SECOND POTENTIAL [V]	T-SECOND POTENTIAL [V]	IRREGULARITY
1	481	489	x
2	436	467	x
3	207	268	Δ
4	134	171	O
5	151	173	O
6	11	16	O

FIG. 18

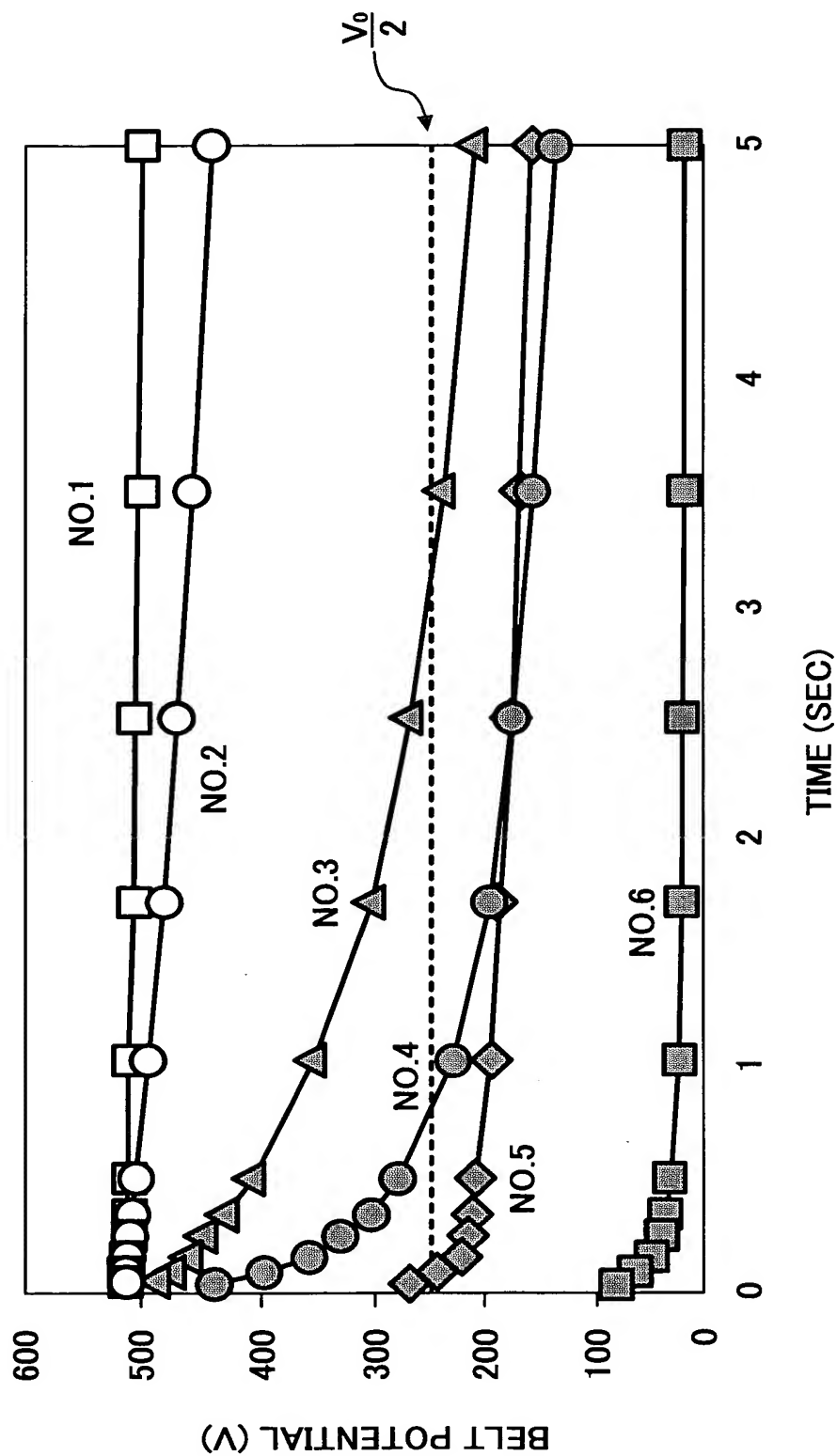


FIG. 19

BELT NO.	INNER SURFACE RESISTIVITY [ $\Omega/\square$ ]	5-SECOND POTENTIAL [V]	T-SECOND POTENTIAL [V]	THICKNESS [ $\mu\text{m}$ ]	TRANSFER RATIO	DISCHARGE MARK
7	$8.90 \times 10^6$	15	20	78.0	x	O
8	$1.22 \times 10^7$	22	32	80.2	$\Delta$	O
9	$1.29 \times 10^8$	20	40	86.0	O	O
10	$1.04 \times 10^9$	481	489	100.5	O	O
11	$2.00 \times 10^9$	35	48	81.6	O	O
12	$9.77 \times 10^9$	183	207	100.2	O	O
13	$1.17 \times 10^{10}$	436	467	79.6	O	O
14	$7.21 \times 10^{11}$	120	162	80.6	O	$\Delta$
15	$5.88 \times 10^{12}$	201	222	112.3	O	x

FIG. 20

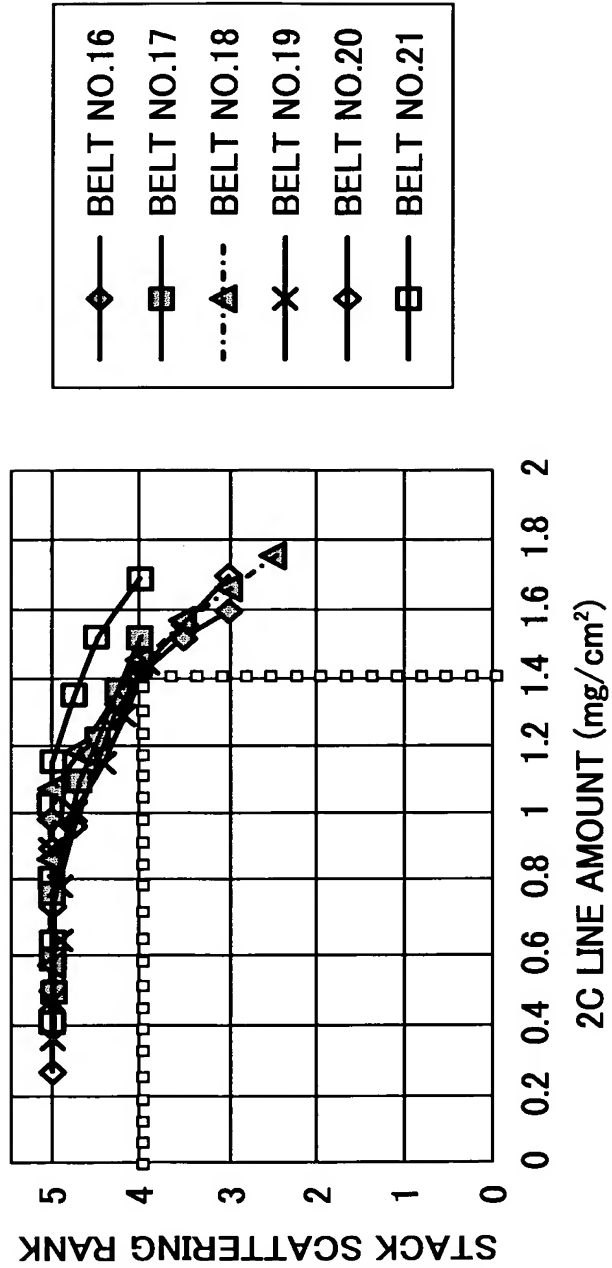


FIG. 21

BELT NO.	INNER SURFACE RESISTIVITY [ $\Omega/\square$ ]	5-SECOND POTENTIAL [V]	T-SECOND POTENTIAL [V]	THICKNESS [ $\mu\text{m}$ ]
16	$1.29 \times 10^8$	20	40	86.0
17	$2.00 \times 10^9$	35	48	81.6
18	$1.17 \times 10^{10}$	88	101	79.6
19	$1.38 \times 10^{11}$	101	135	80.6
20	$9.77 \times 10^9$	183	207	100.2
21	$1.04 \times 10^9$	481	489	100.5

FIG. 22

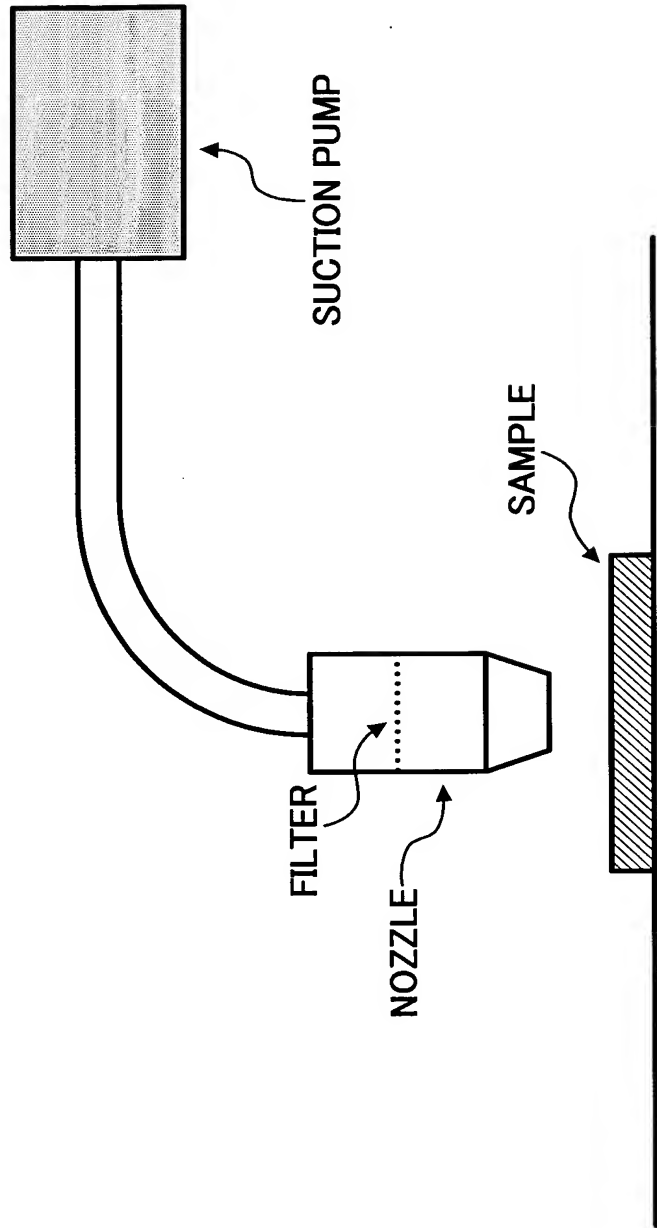


FIG. 23

LINE PORTION

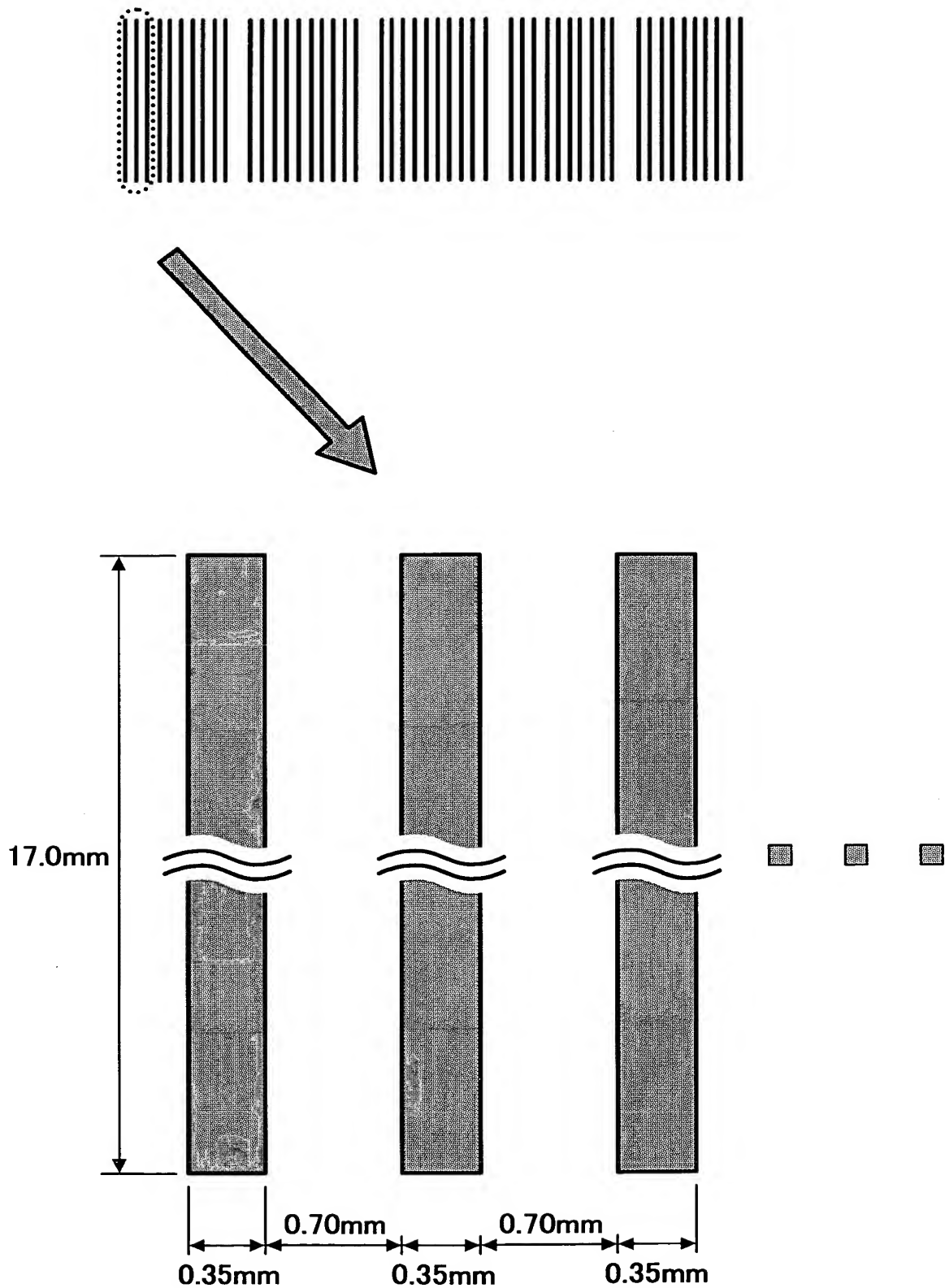


FIG. 24

SOLID PORTION

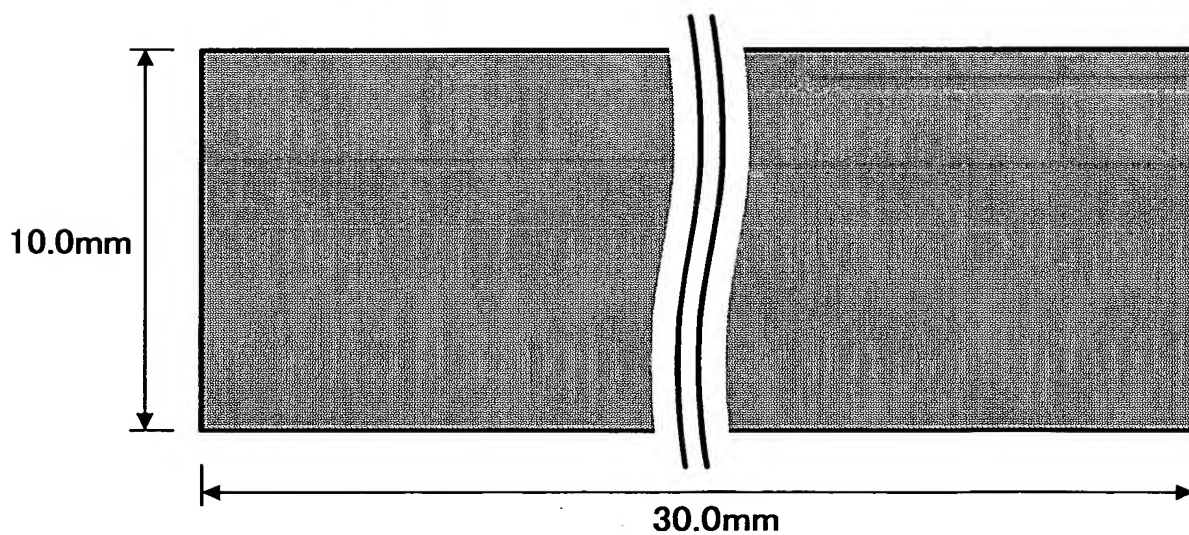
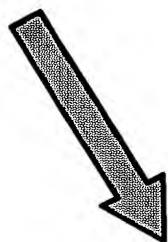
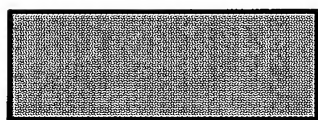




FIG. 25

	BELT NO.18		BELT NO.20		BELT NO.17		BELT NO.19		BELT NO.21		BELT NO.16	
	M/A	STACK SCATTE-RING	M/A	STACK SCATTE-RING	M/A	STACK SCATTE-RING	M/A	STACK SCATTE-RING	M/A	STACK SCATTE-RING	M/A	STACK SCATTE-RING
90%	1.75	2.5			1.52	4	1.55	3.5				
80%	1.66	3	1.70	3	1.36	4.25	1.43	4	1.69	4	1.60	3
70%	1.57	3.5	1.56	3.5	1.21	4.5	1.27	4.25	1.52	4.5	1.52	3.5
60%	1.46	4	1.41	4	1.09	4.75	1.13	4.5	1.35	4.75	1.42	4
55%	1.34	4.25	1.14	4.5	0.98	5	1.01	4.75	1.15	5	1.30	4.25
50%	1.18	4.75	0.96	4.75	0.89	5	0.89	5	1.03	5	1.22	4.5
40%	1.01	5	0.73	5	0.76	5	0.76	5	0.80	5	1.07	5
30%	0.77	5	0.51	5	0.63	5	0.62	5	0.61	5	0.86	5
25%	0.57	5	0.27	5	0.50	5	0.48	5	0.41	5	0.61	5
20%	0.39	5			0.38		0.36	5				

FIG. 26

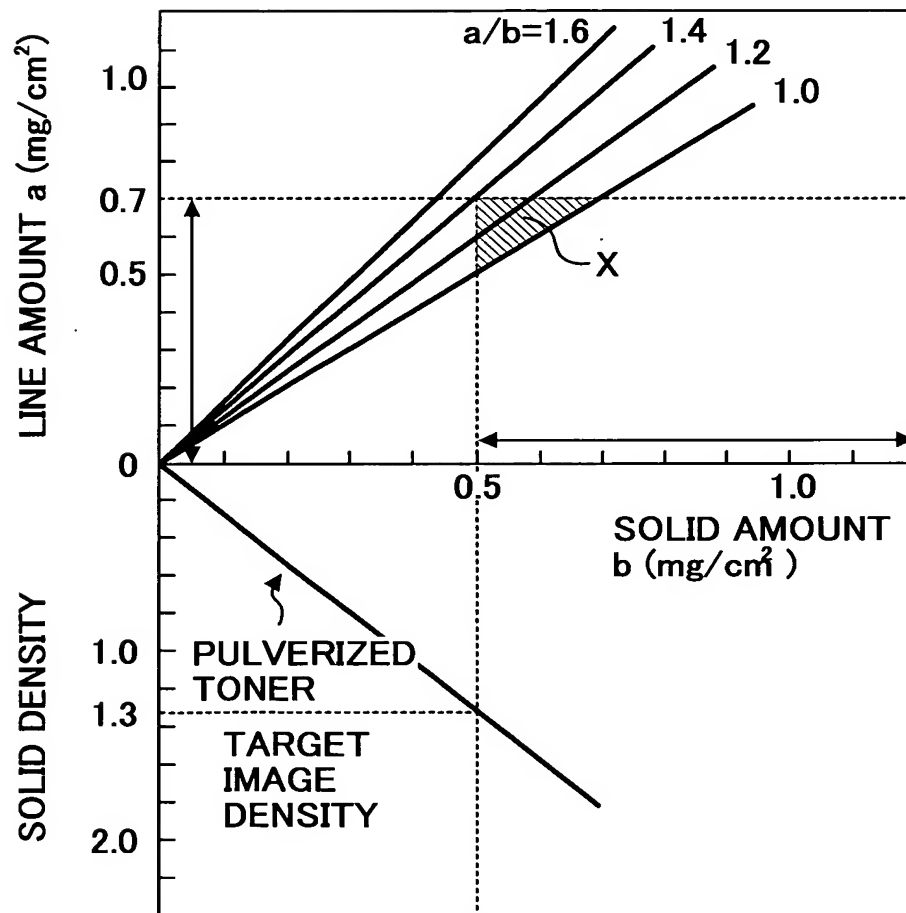


FIG. 27

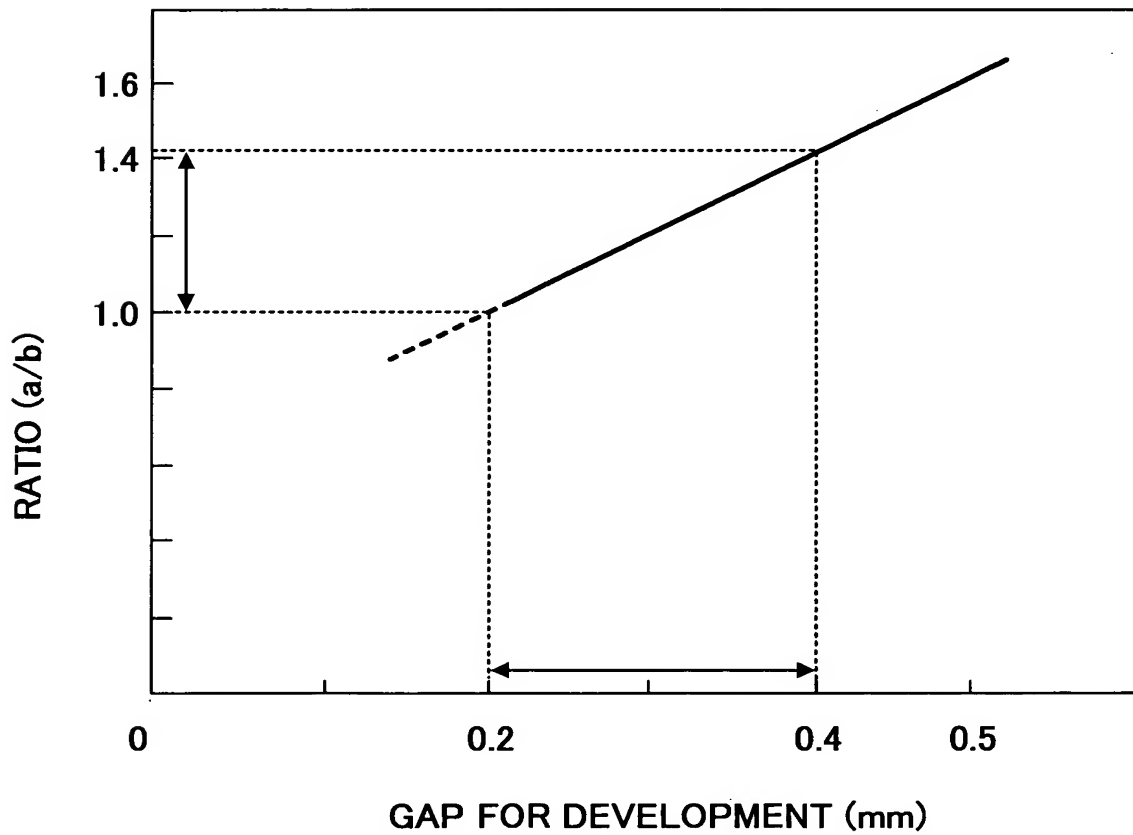


FIG. 28

	GAP	TONER	SOLID DENSITY	SOLID AMOUNT	LINE AMOUNT	RATIO (a/b)	STACK SCATTERING RANK
EX. 5	0.3	PULVERIZED	1.31	0.5	0.63	1.22	4.5
COM.EX. 5	0.5	PULVERIZED	1.29	0.5	0.79	1.57	3

FIG. 29

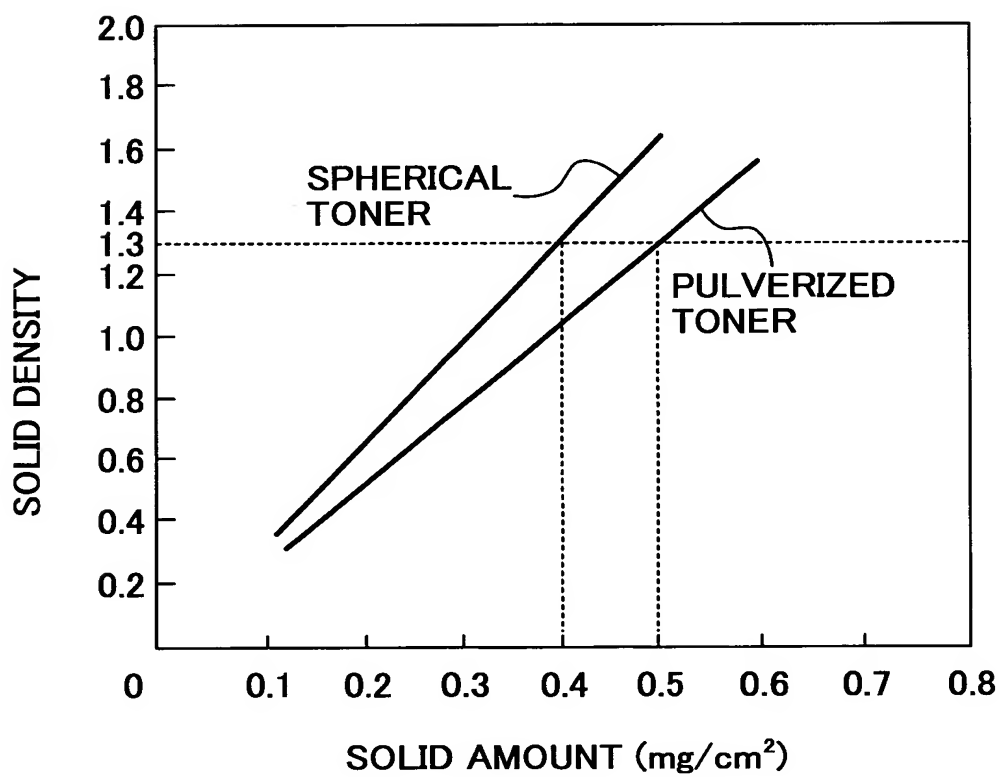


FIG. 30

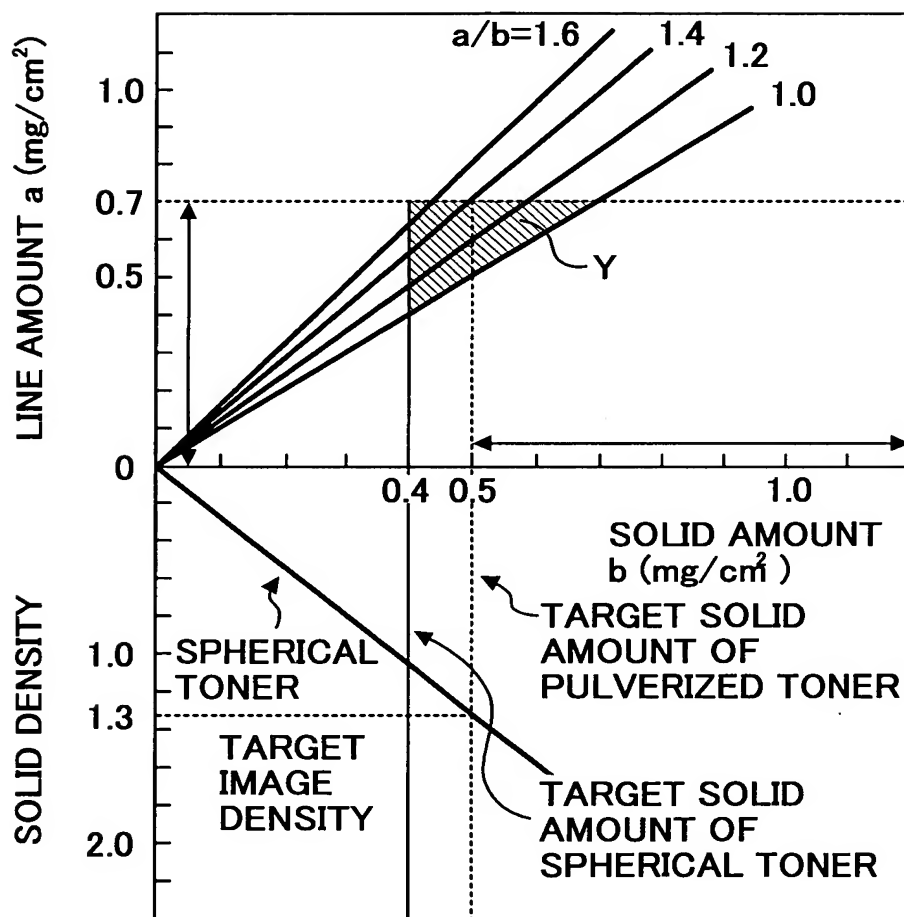


FIG. 31

	GAP	TONER	SOLID DENSITY	SOLID AMOUNT	LINE AMOUNT	RATIO (a/b)	STACK SCATTERING RANK	OMISSION RANK
EX. 6	0.4	SPHERICAL	1.31	0.41	0.58	1.42	5	5
COM.EX. 6	0.4	PULVERIZED	1.28	0.49	0.7	1.43	3.5	3

FIG. 32

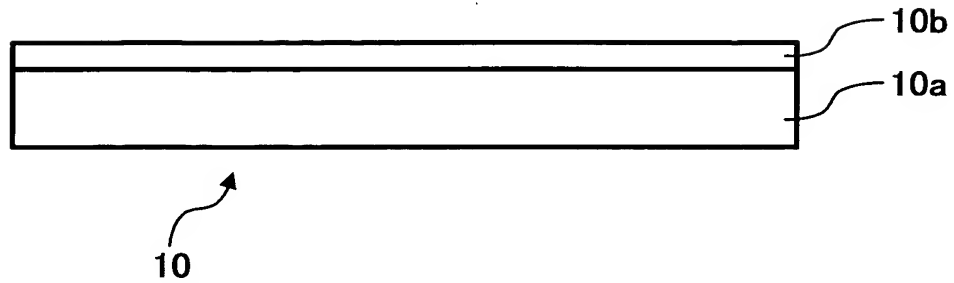


FIG. 33

BELT NO.	5-SECOND POTENTIAL [V]	IRREGULARITY	CLEANING
22	212	△	×
23	235	○	○



FIG. 34

BELT NO.	5-SECOND POTENTIAL [V]	T-SECOND POTENTIAL [V]	IRREGULARITY
1	481	495	×
2	436	480	×
3	207	311	△
4	134	198	○
5	151	190	○
6	11	16	○

FIG. 35

